Formerly C&GS 1238, 1st Ed. Dec. 1928 C 1926,294

(CONTINUED ON CHART 11530)

UNITED STATES – EAST COAST
SOUTH CAROLINA

WINYAH BAY ENTRANCE TO ISLE OF PALMS

Mercator Projection
Scale 1:80,000 at Lat. 32°57'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 do not require conversion to NAD 83 for plotting on this chart.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated)

AERO aeronautical; Al. alternating; R black; Bn beacon; C can; DIA diaphone; F fixed; Fl flashing; G green; Gp group; IQ interrupted quick; Iso isophase (E = int); LT HO lighthouse; M nautical mile; m minutes; MICRO, TR microwave tower; Mo morse code; N nun; OBSC obscured; Or orange; Q quick; R red; Ra Ref radar reflector; R Bn radiobeacon; R TR radio tower; Ror rotating; s seconds; SEC sector; SI M statute miles; VQ very quick; W white; WHIS whistle; Y yellow

Bottom characteristics

Bldrs boulders; bk broken; Cy clay; Co coral; G gravel; Grs grass; gy gritty; h hard; M mud; Oys oysters; Rk rock; S sand; so soft; Sh shells; sy sticky

Miscellaneous

AUTH authorized; ED existence doubtful; Obstr obstruction; PA position approximate; PD position doubtful; Rep reported; Subm submerged

Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
Rocks that cover and uncover, with heights in feet above datum of soundings.
COLREGS International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus: ——— ——— ———

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 4 for important supplemental information.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers and U.S. Coast Guard.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

NOTE X

The 12 nautical mile territorial sea was established by Presidential Proclamation 5928, December 27, 1988, and is also the outer limit of the U.S. contiguous zone for the application of domestic law. The 3 nautical mile line, previously identified as the outer limit of the territorial sea, is retained because the proclamation states that it does not alter existing State or Federal law. The 9 nautical mile natural resources boundary off Texas, the Gulf coast of Florida, and Puerto Rico, and the 3 nautical mile line elsewhere remain the inner boundary of the Federal fisheries jurisdiction and the limit of states' jurisdiction under the Submerged Lands Act (P.L. 83-31; 67 Stat. 29, March 22, 1963). These maritime limits are subject to modification, as represented on future charts. The lines shown on the most recent chart edition take precedence.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

NOAA VHF-FM WEATHER BROADCASTS

The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Charleston, S.C.	KHB-29	162.55 MHz
Myrtle Beach, S.C.	KEC-96	162.40 MHz

TIDAL INFORMATION

Place Name	Lat/Long	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
		feet	feet	feet	feet
Georgetown Lighthouse	(33°13'N/79°17'W)	4.1	3.9	0.1	-0.5
Cape Romain	(33°01'N/79°21'W)	5.2	4.9	0.2	-0.5
Capers Inlet	(32°45'N/79°52'W)	5.3	5.1	0.2	-0.5

(+1:19)

Nautical Miles
Yards

MICROSECONDS
LORAN LINEAR INTERPOLATOR

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4. Additions or revisions to Chapter 2 are published in this Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Florida, or at the Office of the District Engineer, Corps of Engineers in Charleston, South Carolina.
Refer to charted regulation section numbers.

NOTE S

Regulations for ocean dumping sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.

NOTE B
DANGER AREA

Area is open to unrestricted surface navigation but all vessels are cautioned neither to anchor, dredge, trawl, lay cables, bottom, nor conduct any other similar-type of operation because of residual danger from mines on the bottom.
Anchorage in the designated area is at your own risk.

LORAN-C
GENERAL EXPLANATION

LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL
7980 79,800 Microseconds
STATION TYPE DESIGNATORS (Not individual station letter designators)
M Master
W Secondary
X Secondary
Y Secondary
Z Secondary
EXAMPLE 7980-W

RATES ON THIS CHART

7980-W 7980-Y 7980-Z

The Loran-C correction tables published by the Defense Mapping Agency or others should not be used with this chart. The Lines of position shown have been adjusted based on survey data. Every effort has been made to meet the ¼ nautical mile accuracy criteria established by U.S. Coast Guard Mariners, however are cautioned not to rely solely on the lattices in inshore waters.

WINYAH BAY CHANNEL
The project depth is 27 feet to Georgetown Harbor. For controlling depths see chart 11532.

FORT SUMTER RANGE
The project depth is 35 feet. For controlling depths use chart 11523.

CHARLESTON HARBOR ENTRANCE

ANCHORAGE AREA (anchorage limit chart 11524) (see note S)

DUMP SITE (privately marked) (see note S)

DANGER AREA (see note B)

CAPE ROMAIN

WINYAH BAY ENTRANCE

Cedar Hill Island; Hampton Island; Germantown; Santee Swamp; South Santee; Minim Island; CAT ISLAND; South Island; Crow Island; NORTH SANTEE RIVER; Cedar Island; SOUTH SANTEE RIVER; Murphy Island; Moores Corner; McClellanville; Tibwin Village; Buck Hall; Pinsland; Awendaw; Harbor River; ROMAIN RIVER; Raccoon Key; Mill Island; Cape Romain Hr.; Cape Island; Cape Romain Shoal; BULLS BAY; Andersonville; Cat Island; Little Paradise I; Big Paradise I; Woodville; Bull Island; Bull Breakers; Capers Island; Capers Inlet; Dewees Inlet; Dewees I; Porcher Bluff; Copahee Sound; Hamlin Sound; Gray Bay; Isle of Palms; Dewees I Lookout Tower; Mark Bay; Northeast Pt.; Bull Harbor; Bull Creek; Sandy Pt.; Sandy Point Beach; Key Bay; Key Creek; Little Pitch Cr.; Pitch Creek; Little Pitch Creek; Horsehead I.; Horsehead Creek; Cape Romain Hr.; Mud Bay; Clark Cr.; White Bank; Fire Pitch Cr.; Bull River; Long Cr.; Harbor River; Awendaw Creek; Graham Cr.; Vanying Creek; Vanderhorst Cr.; Bird Island Shoal (2.5fD); Bird Island; Blind Creek; Adamson Cr.; Bulls Bay; Severe Bay; Guerin Creek; Little Paradise I; Woodville; Big Paradise I; Barrell Cr.; Hamlin Creek; Dewees Inlet; Capers Inlet; Capers Island; Bull Island; Mark Bay; Copahee Sound; Porcher Bluff; Hamlin Sound; Gray Bay; Isle of Palms; Dewees I; Goat Island; Wetting Reach; Raccoon Key; Rattlesnake; Bull Breakers; Pitch Inlet; Capers Inlet; Dewees Inlet; Cedar Island; Cedar Island Pt.; Santee Pt.; East Bank; Winyah Bay; North Santee Bay; Cape Island; Cape Island Pt.; Murphy Island; Minim Island; Crow Island; South Island; Cedar Island; Grace Island; Marsh; TOWER; LOOKOUT TOWER; TWO TOWERS Island LTH; Lighthouse Island; Mooring Buoy; Dumping Pt.; Cooper River Dumping Pt.; Cooper Bar; Jos & Ben Cr.; Pinckney Island; Bowens Cr.; Alligator Cr.; Moores Cr.; Jeremy Creek; Chisholm Creek; Mosquito Creek; Mudcat Cr.; Marshes Cr.; Awendaw Cr.; Graham Cr.; Vanying Creek; Vanderhorst Cr.

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Nautical Chart Catalog No. 1, Panel B

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Cape Romain	(33°-01'N-79°-21'W)	5.2	4.9	0.2	3.0
Capers Inlet	(33°-01'N-79°-04'W)	5.3	5.1	0.2	3.5

(489)

Nautical Miles 0 1 2 3 4 5

Yards 0 1000 2000 3000 4000 5000 6000

LORAN-C

GENERAL EXPLANATION

LORAN-C FREQUENCY 100kHz

PULSE REPETITION INTERVAL ..... 79,800 Microseconds

STATION TYPE DESIGNATORS: (Not individual station letter designators)

M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary

EXAMPLE: 7980-W

RATES ON THIS CHART

7980-W 7980-Y 7980-Z

The Loran-C correction tables published by the Defense Mapping Agency or others should not be used with this chart. The Lines of position shown have been adjusted based on survey data. Every effort has been made to meet the 1 nautical mile accuracy criteria established by U.S. Coast Guard. Mariners, however,are cautioned not to rely solely on the lattices in inshore waters.

WINYAH BAY CHANNEL
The project depth is 27 feet to Georgetown Harbor. For controlling depths see chart 11532.

(CONTINUED ON CHART 11532)

CAT ISLAND
Minim Island
South Island
Crow Island
Cedar Island
Grace Island
Cane Island
Murphy Island
Cape Island Pt.
Cape Romain
Mill Island
Raccoon Key
Two Towers Island
Sandy Pt.
Northeast Pt.
Bird Island
Bird Island Shoal
Cape Romain Shoal
Gray's Reef
Hector Wreck

NORTH SANTEE RIVER
SOUTH SANTEE RIVER
ROMAIN RIVER
BULL'S BAY
WINYAH BAY ENTRANCE
North Santee Bay
Winyah Bay
Santee Swamp
Intracoastal Waterway
COLREGS DEMARCATION LINE
East Bank
Bull Breakers

CAPE ROMAIN

A T L A N T I C O C E A N

LORAN LINEAR INTERPOLATOR

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

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"Serving The Nation"
John A. Knauss, Administrator

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

SOUNDINGS IN FEET

FATHOMS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
FEET 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96
METERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

(Winyah Bay Entrance to Isle of Palms)

SOUNDINGS IN FEET · SCALE 1:80,000

11531

LORAN-COVERPRINTED